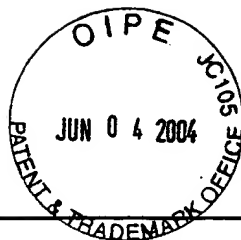




UNITED STATES
PATENT AND
TRADEMARK OFFICE



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JUN 10 2004

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Chief Information Officer
Washington, DC 20231
www.uspto.gov

JUNE 15, 2002

PTAS
WILLIAMS, MORGAN & AMERSON, P.C.
DANNY L. WILLIAMS
7676 HILLMONT, SUITE 250
HOUSTON, TX 77040



102058992A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

JUN 20 2002

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/26/2002

REEL/FRAME: 012799/0316
NUMBER OF PAGES: 6

BRIEF: CORRECTED RECORDATION FORM COVER SHEET TO REMOVE ASSIGNOR'S NAME, PREVIOUSLY RECORDED AT REEL/FRAME 012357/0616 (ASSIGNMENT OF ASSIGNOR'S INTEREST)

ASSIGNOR:
MCDONALD, KYLE

DOC DATE: 08/21/2001

ASSIGNOR:
DI VENTRA, MASSIMILIANO

DOC DATE: 08/20/2001

ASSIGNOR:
WELLER, ROBERT A.

DOC DATE: 08/17/2001

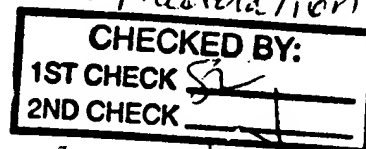
ASSIGNOR:
PANTEDILES, SOKRATES T.

DOC DATE: 08/16/2001

ASSIGNOR:
FELDMAN, LEONARD C.

DOC DATE: 08/16/2001

ASSIGNEE:
VANDERBILT UNIVERSITY
305 KIRKLAND HALL
NASHVILLE, TENNESSEE 37240



012799/0316 PAGE 2

SERIAL NUMBER: 09818193
PATENT NUMBER:

FILING DATE: 03/26/2001
ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-18-2002

FORM PTO-1595
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

102058992

SHEET

U.S. Department of Commerce

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party: Kyle McDonald, Massimiliano Di Ventra, Robert A. Weller, Sokrates T. Pantediles, Leonard C. Feldman

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☐ Assignment☐ Security Agreement☒ Other Corrected Assignment☐ Merger☐ Change of Name

Execution Date:

2. Name and address of receiving party:

Name: **Vanderbilt University**

Internal Address:

Street Address: **305 Kirkland Hall**City: **Nashville** State: **Tennessee** Zip: **37240**Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

09/818,193

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

RECEIVED

JUN 10 2004

TELEPHONE CENTER 2800

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Danny L. Williams**
Williams, Morgan & Amerson, P.C.
7676 Hillmont, Suite 250City: **Houston** State: **Texas** Zip: **77040**6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41) \$ 40.00☒ Enclosed☒ Authorized to be charged to deposit account if check is missing or insufficient8. Deposit account number: **50-0786/2026.000900**

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.***Danny L. Williams**

Name of Person Signing, Reg. No. 31,181

Signature

03/26/02

Date

Total number of pages including cover sheet, attachments and documents: **8**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an enveloped addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on the date below:

3/26/02

Date

May Paul

Signature

04/17/2002 TDIAZ1 00000050 09818193

01 FC:581

40.00 OP

12-14-2001

FORM PTO-1595
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

SEP 24 2001

101918111

U.S. Department of Commerce

Patent and Trademark Office

RECEIVED

JUN 10 2004

9-TECH CENTER 2800

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party: Gilyoung Chang, Chin Che Tin, John R. Williams, Kyle McDonald, Massimiliano Di Ventra, Robert A. Weller, Sokrates T. Pantediles, Leonard C. Feldman

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party:

Name: Vanderbilt University

Internal Address:

Street Address: 305 Kirkland Hall

City: Nashville State: Tennessee Zip: 37240

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other

Execution Date:

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): 09/818,913 09/818,193

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Randall C. Furlong
Williams, Morgan & Amerson, P.C.
7676 Hillmont, Suite 250

City: Houston State: Texas Zip: 77040

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)----- \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 50-0786/2026.000900
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Randall C. Furlong

Name of Person Signing, Reg. No. 35,144

Randall C. Furlong

Signature

09/19/01

Date

Total number of pages including cover sheet, attachments and documents: 6

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an enveloped addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on the date below:

9/19/01 Yathin Manar

Date Signature

12/13/2001 DBYRNE 00000090 500786 09818913

01 FC:581 40.00 CH

PATENT
2026.000900**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **VANDERBILT UNIVERSITY**, (the "Assignee"), a corporation having a place of business at **1207 17th Avenue South, Suite 210, Nashville, TN 37212**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, **"INCLUSION OF NITROGEN AT THE SILICON DIOXIDE-SILICON CARBIDE INTERFACE FOR PASSIVATION OF INTERFACE DEFECTS,"** which was filed on **March 26, 2001**, and accorded serial number **09/818,913**,* such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

*09/818,193
R. Williams

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Kyle McDonald
Kyle McDonald

Date: 8/21/01

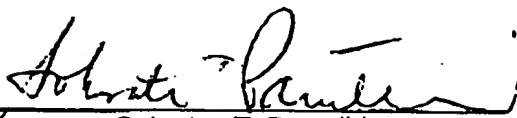
Signature: _____
Max Di Ventra

Date: _____

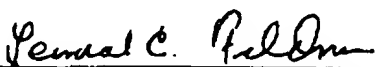
Signature: Robert A. Weller
Robert A. Weller

Date: _____

FILE NO. 2026.000900/VU0037

Signature: 
Sokrates T. Pantelides

Date: 8/16/01

Signature: 
Leonard C. Feldman

Date: 8-16-01

PATENT
2026.000900**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

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*09/818,193
OK William

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____
Kyle McDonald

Date: _____

Signature: Massimiliano Di Ventra
Massimiliano Di Ventra

Date: 08-20-01

FILE NO. 2026.000900/VU0037

Signature: _____
Robert A. Weller

Date: _____

Signature: _____
Sokrates T. Pantelides

Date: _____

Signature: _____
Leonard C. Feldman

Date: _____



DLW

3226 000900

FEBRUARY 04, 2002

PTAS

WILLIAMS, MORGAN & AMERSON, P.C.
RANDALL C. FURLONG
7676 HILLMONT, SUITE 250
HOUSTON, TEXAS 77040

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

FEB 11 2002

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/24/2001

REEL/FRAME: 012357/0616
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHUNG, GILYONG

DOC DATE: 09/04/2001

ASSIGNOR:

TIN, CHIN CHE

DOC DATE: 09/06/2001

ASSIGNOR:

WILLIAMS, JOHN R.

DOC DATE: 09/06/2001

ASSIGNOR:

MCDONALD, KYLE

DOC DATE: 08/21/2001

ASSIGNOR:

DI VENTRA, MASSIMILIANO

DOC DATE: 08/20/2001

ASSIGNOR:

WELLER, ROBERT A.

DOC DATE: 08/17/2001

ASSIGNOR:

PANTEDILES, SOKRATES

DOC DATE: 08/16/2001

DOCKETED ☒ UPDATE ☐
Previously ☐ Not Required ☐
Appl. Info ☐
Reg. Grant Info ☐
Action Required ☒ *Asst. Director*
Date *1-11-02*
By *[Signature]* Checked ☒

012357/0616 PAGE 2

ASSIGNOR:

FELDMAN, LEONARD C.

DOC DATE: 08/16/2001

ASSIGNEE:

VANDERBILT UNIVERSITY
305 KIRKLAND HALL
NASHVILLE, TENNESSEE 37240

SERIAL NUMBER: 09818913

PATENT NUMBER:

FILING DATE: 03/28/2001

ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

12-14-2001

FORM PTO-1595
(Rev. 6-93)

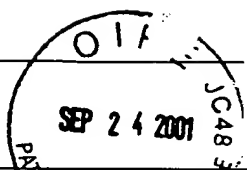
OMB No. 0651-0011 (exp. 4/94)

U.S. Department of Commerce

Patent and Trademark Office



101918111



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party: Gilyong Chang, Chin Che Tin, John R. Williams, Kyle McDonald, Massimiliano Di Ventra, Robert A. Weller, Sokrates T. Pantediles, Leonard C. Feldman

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Other

- ☐ Merger
☐ Change of Name

Execution Date:

2. Name and address of receiving party:

Name: **Vanderbilt University**

Internal Address:

Street Address: **305 Kirkland Hall**City: **Nashville** State: **Tennessee** Zip: **37240**Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

09/818,913

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No**RECEIVED****JUN 10 2004****TECH CENTER 2800**

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Randall C. Furlong**
Williams, Morgan & Amerson, P.C.
7676 Hillmont, Suite 250

City: **Houston** State: **Texas** Zip: **77040**6. Total number of applications and patents involved: **1**7. Total fee (37 C.F.R. 3.41) \$ **40.00**

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: **50-0786/2026.000900**
 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Randall C. FurlongName of Person Signing, Reg. No. **35,144**

Signature

09/19/01

Date

Total number of pages including cover sheet, attachments and documents: **6**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an enveloped addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on the date below:

9/19/01 **Yathin Manar**

Date

Signature

12/13/2001 DBYRNE 00000090 500786 09818913

01 FC:581 40.00 CH

MESSAGE CONFIRMATION

03/04/2002 14:16

ID=WMA

DATE	S,R-TIME	DISTANT STATION ID	MODE	PAGES	RESULT
03/04	01'47"	703 308 7124	CALLING	11	OK 0000

03/04/2002 14:14 WMA → 17033087124

NO. 476 001

WILLIAMS, MORGAN & AMERSON, P.C.

7676 Hillmont, Suite 250, Houston, TX 77040
(713) 934-7000 Fax (713) 934-7011

Fax

To:	Assignment Division United States Patent and Trademark Office	From:	Mary Paul
Fax:	(703) 308-7124	Phone:	(703) 934-4056
No. of Pages:	11 (including cover sheet)	Date:	March 4, 2002
Re:	Corrected Assignment Recordation	File:	2026.000900
<input type="checkbox"/> Urgent <input type="checkbox"/> For Review <input type="checkbox"/> For Your File <input type="checkbox"/> Please Reply <input checked="" type="checkbox"/> Please Handle			

To follow is a copy of the Notice of Recordation of Assignment Document along with a copy of the Assignment Recordation Sheet and Assignment, as filed. Please correct your files to reflect the correct filing date, which is March 26, 2001, as evidenced by the filing receipt (copy also attached). Please issue a corrected Notice of Recordation of Assignment Document for our files.

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **AUBURN UNIVERSITY**, (the "Assignee"), a university duly established and organized under the laws of the State of Alabama, having a place of business at **309 Samford Hall, Auburn University, AL 36849-5176**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, **"INCLUSION OF NITROGEN AT THE SILICON DIOXIDE-SILICON CARBIDE INTERFACE FOR PASSIVATION OF INTERFACE DEFECTS,"** which was filed on **March 26, 2001**, and accorded serial number **09/818,913**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Gilyong Chung
Gilyong Chung

Date: 9/4/01

Signature: Chin Che Tin
Chin Che Tin

Date: 9/6/01

Signature: John R. Williams
John R. Williams

Date: 9/6/01

Signature: _____
Robert A. Weller

Date: _____

Signature: _____
Sokrates T. Pantelides

Date: _____

Signature: _____
Leonard C. Feldman

Date: _____

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **VANDERBILT UNIVERSITY**, (the "Assignee"), a corporation having a place of business at **1207 17th Avenue South, Suite 210, Nashville, TN 37212**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, **"INCLUSION OF NITROGEN AT THE SILICON DIOXIDE-SILICON CARBIDE INTERFACE FOR PASSIVATION OF INTERFACE DEFECTS,"** which was filed on **March 26, 2001**, and accorded serial number **09/818,913**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

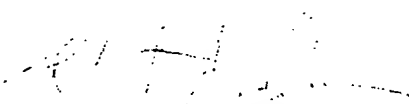
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: 
Kyle McDonald

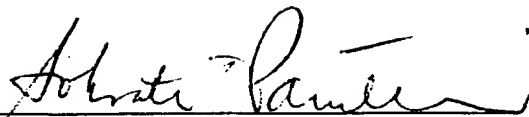
Date: 8/21/01

Signature: _____
Max Di Ventra

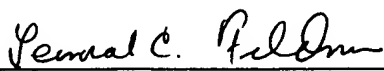
Date: _____

Signature: 
Robert A. Weller

Date: _____

Signature: 
Sokrates T. Pantelides

Date: 8/16/01

Signature: 
Leonard C. Feldman

Date: 8-16-01

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **VANDERBILT UNIVERSITY**, (the "Assignee"), a corporation having a place of business at **1207 17th Avenue South, Suite 210, Nashville, TN 37212**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, **"INCLUSION OF NITROGEN AT THE SILICON DIOXIDE-SILICON CARBIDE INTERFACE FOR PASSIVATION OF INTERFACE DEFECTS,"** which was filed on **March 26, 2001**, and accorded serial number **09/818,913**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____
Kyle McDonald

Date: _____

Signature: 
Massimiliano Di Ventra

Date: 08-20-01

Signature: _____
Robert A. Weller

Date: _____

Signature: _____
Sokrates T. Pantelides

Date: _____

Signature: _____
Leonard C. Feldman

Date: _____



DOCKETED

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5/13/04
SA

2026-000200

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 08, 2004

PTAS
WILLIAMS, MORGAN & AMERSON, P.C.
MARK W. SINCELL
10333 RICHMOND, SUITE 1100
HOUSTON, TX 77042

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102553480A

JUN 10 2004

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DOCKETING DEPT.

APR 12 2004

WILLIAMS, MORGAN & AMERSON

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/15/2003

REEL/FRAME: 014486/0982

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TOLK, NORMAN H.

DOC DATE: 09/09/2003

ASSIGNEE:

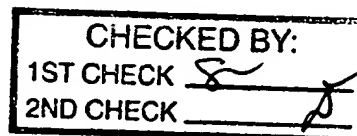
VANDERBILT UNIVERSITY
305 KIRKLAND HALL
NASHVILLE, TENNESSEE 37240

SERIAL NUMBER: 10363347

FILING DATE: 09/15/2003

PATENT NUMBER:

ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDSTo Merchant & Galp
10-29-03

09-17-2003



Patent and Trademark Office

To the Honorable Commissioner

102553480

original document or copy thereof.

1. Name of conveying party: NORMAN H. TOLK

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Other

- ☐ Merger
☐ Change of Name

Execution Date: September 9, 2003

2. Name and address of receiving party:

Name: Vanderbilt University

Internal Address:

Street Address: 305 Kirkland Hall

City: Nashville State: Tennessee Zip: 37240

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

10/363,347

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark W. Sincell
Williams, Morgan & Amerson, P.C.
10333 Richmond, Suite 1100

City: Houston State: Texas Zip: 77042

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) \$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: 50-0786/2026.000200
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and the attached copy is a true copy of the original document.

Mark W. Sincell

Name of Person Signing, Reg. No. 52,226

Signature

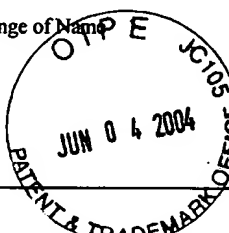
Date

Total number of pages including cover sheet, attachments and documents: 2

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JUN 10 2004

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OFFICE OF PUBLIC RECORDS
SEP 15 AM 10:39
FINANCE SECTION

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an enveloped addressed to: Mail Stop: Assignment Division, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

09/11/03

Date

Kathy Clana

Signature

09/16/2003 BTOW11 00000124 10363347

01 FC:8021

40.00 CP

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **VANDERBILT UNIVERSITY**, (the "Assignee"), a corporation having a place of business at **1207 17th Avenue South, Suite 210, Nashville, TN 37212**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, "**CONTACTLESS OPTICAL PROBE FOR USE IN SEMICONDUCTOR PROCESSING METROLOGY**," which was filed on **March 18, 1999**, and accorded serial number **10/363,347**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: 
NORMAN H. TOLK

Date: 9/9/03

Signature: _____
GUNTER LUEPKE

Date: _____

Signature: _____
WEI WANG

Date: _____



ms
DOCKETED
5/13/04
sup

2026.000200

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 29, 2004

PTAS

WILLIAMS, MORGAN & AMERSON, P.C.
MARK W. SINCELL
10333 RICHMOND, SUITE 1100
HOUSTON, TEXAS 77042



102543857A*

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DOCKETING DEPT.

JUN 10 2004

APR 01 2004

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

RECEIVED
JUN 10 2004
102543857A*
WILLIAMS, MORGAN & AMERSON

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/05/2003

REEL/FRAME: 014452/0800
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
WANG, WEI

DOC DATE: 07/30/2003

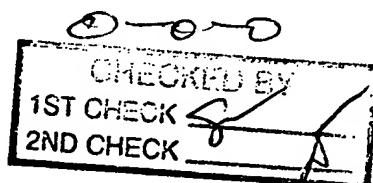
ASSIGNOR:
LUEPKE, GUNTER

DOC DATE: 08/08/2003

ASSIGNEE:
VANDERBILT UNIVERSITY
1207 17TH AVENUE SOUTH, SUITE 210
NASHVILLE, TENNESSEE 37212

SERIAL NUMBER: 10363347
PATENT NUMBER:

FILING DATE: 09/15/2003
ISSUE DATE:



014452/0800 PAGE 2

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09-08-2003



Patent and Trademark Office

102543857

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party: WEI WANG and GUNTER LUEPKE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Other

- ☐ Merger
☐ Change of Name

Execution Date: July 30, 2003 and August 8, 2003, respectively

2. Name and address of receiving party:

Name: Vanderbilt University

Internal Address:

Street Address: 1207 17th Avenue South, Suite 110

City: Nashville State: Tennessee Zip: 37212

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

10/363,347

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark W. Sincell
Williams, Morgan & Amerson, P.C.
10333 Richmond, Suite 1100

City: Houston State: Texas Zip: 77042

6. Total number of applications and patents involved: 15

7. Total fee (37 C.F.R. 3.41) \$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: 50-0786/2026.000200
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark W. Sincell

Name of Person Signing, Reg. No. 52,226

Signature

Date

Total number of pages including cover sheet, attachments and documents: 3

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an enveloped addressed to: Mail Stop: Assignment Division, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

September 3, 2003 Kathy Wilson
Date Signature

09/08/2003 LRIELLER 00000005 500786 10363347

01 FE:0021 40.00 BA

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **VANDERBILT UNIVERSITY**, (the "Assignee"), a corporation having a place of business at **1207 17th Avenue South, Suite 210, Nashville, TN 37212**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, "**CONTACTLESS OPTICAL PROBE FOR USE IN SEMICONDUCTOR PROCESSING METROLOGY**," which was filed on **March 18, 1999**, and accorded serial number **10/363,347**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____
NORMAN H. TOLK

Date: _____

Signature: _____
GUNTER LUEPKE

Date: _____

Signature: _____
WEI WANG

Date: 7-30-03

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **VANDERBILT UNIVERSITY**, (the "Assignee"), a corporation having a place of business at **1207 17th Avenue South, Suite 210, Nashville, TN 37212**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, "**CONTACTLESS OPTICAL PROBE FOR USE IN SEMICONDUCTOR PROCESSING METROLOGY**," which was filed on **March 18, 1999**, and accorded serial number **10/363,347**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____
NORMAN H. TOLK

Date: _____

Signature: Gunter Luepke
GUNTER LUEPKE

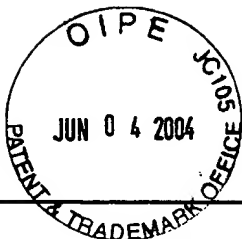
Date: 8/8/03

Signature: _____
WEI WANG

Date: _____



UNITED STATES
PATENT AND
TRADEMARK OFFICE



plw

JUN 12, 2002

PTAS

Chief Information Officer
Washington, DC 20231
www.uspto.gov

WILLIAMS, MORGAN & AMERSON, P.C.
DANNY L. WILLIAMS
7676 HILLMONT, SUITE 250
HOUSTON, TEXAS 77040

JUN 19 2002



102058988A

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JUN 10 2004

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RECORDATION DATE: 04/04/2002

REEL/FRAME: 012789/0026
NUMBER OF PAGES: 4

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE, ASSIGNOR AND PROPERTY NUMBER, PREVIOUSLY RECORDED AT REEL 012357 FRAME 0616.

ASSIGNOR:
CHUNG, GILYONG

DOC DATE: 09/04/2001

ASSIGNOR:
TIN, CHIN CHE

DOC DATE: 09/06/2001

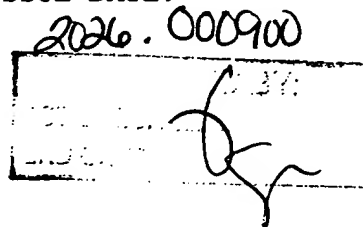
ASSIGNOR:
WILLIAMS, JOHN R.

DOC DATE: 09/06/2001

ASSIGNEE:
AUBURN UNIVERSITY
309 SAMFORD HALL
AUBURN, ALABAMA 36849-5176

SERIAL NUMBER: 09818193
PATENT NUMBER:

FILING DATE: 03/26/2001
ISSUE DATE:



012789/0026 PAGE 2

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-18-2002

FORM PTO-1595
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)



102058988

IR SHEET

U.S. Department of Commerce

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party: Gilyong Chung, Chin Che Tin and John R. Williams
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☒ Other Corrected Assignment

Execution Date:

2. Name and address of receiving party:

Name: **Auburn University**

Internal Address:

Street Address: **309 Samford Hall**City: **Auburn** State: **Alabama** Zip: **36849-5176**Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

09/818,193

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Danny L. Williams**
Williams, Morgan & Amerson, P.C.
7676 Hillmont, Suite 250City: **Houston** State: **Texas** Zip: **77040**6. Total number of applications and patents involved: **1**7. Total fee (37 C.F.R. 3.41) \$ **40.00**☒ Enclosed☒ Authorized to be charged to deposit account if check is missing or insufficient8. Deposit account number: **50-0786/2026.000900**

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.***Danny L. Williams**

Name of Person Signing, Reg. No. 31,181

Signature

03/26/02

Date

Total number of pages including cover sheet, attachments and documents: **6**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an enveloped addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on the date below:

3/26/02

Date

Signature

04/17/2002 TDIAZ1 00000049 09818193

01 FC:581

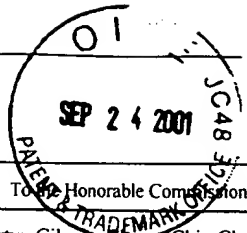
40.00 UP

Patent and Trademark Office

12-14-2001



101018111



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party: Gilyong Chung, Chin Che Tin, John R. Williams,
~~Kyle McDonald, Massimiliano Di Ventura, Robert A. Weller, Sokrates T. Panteditis,~~
~~Leonard C. Feldman~~

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date:

2. Name and address of receiving party:

Name: Auburn
~~Vanderbilt~~ University

Internal Address:

309 Samford Hall

Street Address: 305 Kirkland Hall

Auburn Alabama 36849-5176
City: Nashville State: Tennessee Zip: 37240

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

09/818,913 09/818,193

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Randall C. Furlong
Williams, Morgan & Amerson, P.C.
7676 Hillmont, Suite 250

City: Houston State: Texas Zip: 77040

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)----- \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 50-0786/2026.000900
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Randall C. Furlong

Name of Person Signing. Reg. No. 35,144

Randall C. Furlong
Signature

09/19/01

Date

Total number of pages including cover sheet, attachments and documents: 6

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an enveloped addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on the date below:

9/19/01 Katherine Mauer

Date

Signature

12/13/2001 DBYRME 00000090 500786 09818913

01 FC:581 40.00 CH

PATENT
2026.000900

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to AUBURN UNIVERSITY, (the "Assignee"), a university duly established and organized under the laws of the State of Alabama, having a place of business at 309 Samford Hall, Auburn University, AL 36849-5176, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled, "INCLUSION OF NITROGEN AT THE SILICON DIOXIDE-SILICON CARBIDE INTERFACE FOR PASSIVATION OF INTERFACE DEFECTS," which was filed on March 26, 2001, and accorded serial number 09/818,913*, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

*09/818,193

John R. Williams

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: *Gilyong Chung*
Gilyong Chung

Date: 9/4/01

Signature: *Chin Che Tin*
Chin Che Tin

Date: 9/6/01

Signature: *John R. Williams*
John R. Williams

Date: 9/6/01

FILE NO. 2026.000900/VU0037

Signature: _____
Robert A. Weller

Date: _____

Signature: _____
Sokrates T. Pantelides

Date: _____

Signature: _____
Leonard C. Feldman

Date: _____



UNITED STATES
PATENT AND
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